

$$a_x = -10.3\text{ m}$$

$$b_x = 24.6\text{ m}$$

$$+ c_x = -7.5\text{ m}$$

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$$d_x = 6.8\text{ m}$$

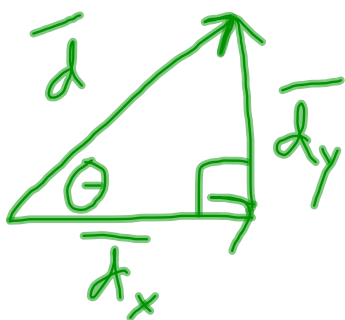
$$a_y = 14.8\text{ m}$$

$$b_y = 4.3\text{ m}$$

$$+ c_y = -13.0\text{ m}$$

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$$d_y = 6.09\text{ m}$$



$$\theta = \tan^{-1}\left(\frac{d_y}{d_x}\right)$$

$$= 42^\circ$$

$$d = 9.12\text{ m}$$

$$\vec{d} = 9.12\text{ m @ } 42^\circ \text{ N of E}$$